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**UNITED STATES DISTRICT COURT
NORTHERN DISTRICT OF CALIFORNIA
SAN FRANCISCO DIVISION**

MAXIMILIAN KLEIN, et al., on behalf of
themselves and all others similarly situated,

Plaintiffs,

v.

META PLATFORMS, INC.,

Defendant.

Case No. 3:20-cv-08570-JD

**ADVERTISER PLAINTIFFS'
OPPOSITION TO DEFENDANT'S
MOTION TO EXCLUDE EXPERT
TESTIMONY AND OPINIONS OF DR.
MICHAEL WILLIAMS**

Hearing Date: To Be Determined
Hearing Time: To Be Determined
Courtroom 11, 19th Floor
Judge: The Honorable James Donato

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PUBLIC-REDACTED**INTRODUCTION**

Despite this Court instructing Defendant Meta Platforms, Inc. (“Meta” f/k/a “Facebook”) to “exercise some discretion” in challenging Advertiser Plaintiffs’ experts¹, Meta yet again seeks to exclude the report and testimony of Advertiser Plaintiffs’ expert, Dr. Michael A. Williams. It offers nothing in this latest motion that has not already been argued, and Dr. Williams remains a respected Ph.D. economist specializing in antitrust, industrial organization, and regulation who has testified numerous times.² Dr. Williams offers opinions on the relevant market, Meta’s monopoly power, the common impact of Meta’s anticompetitive conduct, and damages. ¶¶18-24.

As to damages, Dr. Williams derived “yardstick” damages—a reliable overcharge methodology recognized in antitrust economics and industrial organization—

[REDACTED]

¹ Nov. 14, 2024 Hrg. Tr. (ECF No. 856) at 33:3-7.

² See Expert Merits Report of Michael A. Williams, Ph.D., dated August 5, 2024 (“Williams Merits Report”), attached as Exhibit 1 to the Declaration of Dr. Michael A. Williams (“Williams Decl.”), filed contemporaneously herewith, at ¶¶1-4. Hereinafter, all citations to “¶” or “¶¶” are to the Williams Merits Report unless specified otherwise. Citations are omitted and emphasis is added throughout unless otherwise noted.

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1 [REDACTED]
2 [REDACTED]
3 [REDACTED]
4 [REDACTED]
5 [REDACTED]
6 [REDACTED]
7 Under the guise of the *Daubert* standard, Meta’s lawyers seek to exclude Dr. Williams’s
8 damages testimony based predominately on narrowly excerpted deposition testimony. Meta’s brief
9 makes various spurious arguments as to why Dr. Williams’s methods are somehow junk science. Not
10 only does virtually every argument go to the weight and not the admissibility of Dr. Williams’s
11 opinions, but none of these arguments hold water. Instead, each betrays Meta’s deep
12 misunderstanding and misappreciation of what Dr. Williams actually did. After nit-picking at Dr.
13 Williams’s yardstick analysis, Meta then lobbs several unsuccessful attacks at his market definition.³

14 Despite Meta’s broad declarations to the contrary, nothing in Dr. Williams’s report resembles
15 “predicting criminality by feeling the bumps on a person’s head.” Mot. at 1. Meta does not and
16 cannot dispute that the yardstick framework is an accepted and reliable measure of antitrust damages.
17 Meta merely quibbles with which “bumps on a person’s head” should be counted. “Dauberts are not
18 a substitute for the adversarial process.” Nov. 14, 2024 Hrg. Tr. at 33:7-9. Whatever the probative
19 value of Meta’s “gotcha” arguments, the appropriate audience is the finder of fact. Dr. Williams’s
20 opinions are not “junk science,” and all of Meta’s arguments are easily dismissed under the *Daubert*
21 standard.

LEGAL STANDARD

22
23 Under Federal Rule of Evidence 702, an expert witness’s testimony is admissible if the
24 “testimony both rests on a reliable foundation and is relevant to the task at hand.” *Daubert v. Merrell*
25 *Dow Pharms., Inc.*, 509 U.S. 579, 597 (1993). “Expert opinion testimony is relevant if the
26 knowledge underlying it has a valid connection to the pertinent inquiry. And it is reliable if the
27

28 ³ None of Defendant’s challenges pertain to whether the alleged conduct caused common impact.

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1 knowledge underlying it has a reliable basis in the knowledge and experience of the relevant
 2 discipline.” *Primiano v. Cook*, 598 F.3d 558, 565 (9th Cir. 2010). The district court’s task is not to
 3 “decid[e] whether the expert is right or wrong, just whether his testimony has substance such that it
 4 would be helpful to a jury.” *Alaska Rent-A-Car, Inc. v. Avis Budget Grp., Inc.*, 738 F.3d 960, 969-70
 5 (9th Cir. 2013). “Challenges that go to the weight of the evidence are within the province of a fact
 6 finder, not a trial court judge. A district court should not make credibility determinations that are
 7 reserved for the jury.” *City of Pomona v. SQM N. Am. Corp.*, 750 F.3d 1036, 1044 (9th Cir. 2014).

ARGUMENT

8
 9 In the Williams Merits Report, Dr. Williams opined that:

10 [REDACTED]
 11 [REDACTED]
 12 [REDACTED]
 13 [REDACTED]

14 To calculate his damages, Dr. Williams used the yardstick methodology commonly applied in
 15 antitrust cases.⁴ He applied five criteria which resulted in 25 yardstick firms, to which Dr. Williams
 16 added five firms (Amazon, Apple, Pinterest, Snap, and Twitter) that Meta has previously demanded
 17 be included. The 90 Yardstick Index EPRs using all or a subset of these firms were then used to
 18 determine damages and perform robustness checks, cross checked by a “during after” EPR analysis.
 19 For the reasons stated below and in Advertiser Plaintiffs’ Opposition to the Motion to Exclude the
 20 Class Certification Report of Dr. Michael Williams (ECF No. 795-19), all of Dr. Williams’s opinions
 21 are robust, supportable, and admissible in the face of Meta’s challenges.

22
 23
 24 ⁴ Moreover, since Dr. Williams [REDACTED] a
 25 *prima facie* case of antitrust injury exists already. *See, e.g., Bradburn Parent/Tchr. Stores, Inc. v.*
 26 *3M*, No. CIV.A.02-7676, 2004 WL 1842987, at *13 (E.D. Pa. Aug. 18, 2004) (“[W]hen a monopolist
 27 unlawfully maintains its monopoly power . . . it is logical, at least as a general rule, to presume that
 28 all class members have suffered injury as a result of the conduct, in the form of supra-competitive
 prices.”); *see also In re Dealer Mgmt. Sys. Antitrust Litig.*, No. 18-CV-2521, 2024 WL 3509668, at
 *5 (N.D. Ill. July 22, 2024) (same).

PUBLIC-REDACTED1 **I. DR. WILLIAMS'S YARDSTICK ANALYSIS IS RELIABLE**2 **A. The Criteria Applied By Dr. Williams Are Reliable**

3 Meta criticizes four of the five filters Dr. Williams applied to select comparable firms to
 4 include in his yardstick, but its criticisms amount to a preference that Dr. Williams use some other
 5 filters that Meta does not even identify. The authorities cited by Dr. Williams demonstrate that
 6 considerable professional judgment goes into picking both the denominator (the pool) and the
 7 numerator (the narrowing criteria or filters) in the yardstick process. Because of this inherent
 8 discretion, “[a]rguments about what factors an expert should have controlled for in conducting a
 9 yardstick analysis generally go to the weight, rather than the admissibility, of [an] expert’s testimony.”
 10 *Tawfilis v. Allergen, Inc.*, No. 8:15-cv-00307-JLS-JCG, 2017 WL 3084275, at *6 (C.D. Cal. June 26,
 11 2017); *Andy Mohr Truck Ctr., Inc. v. Volvo Trucks N. Am.*, No. 1:12-cv-448-WTL-DKL, Entry on
 12 Various Pretrial Motions (S.D. Ind. Feb. 2, 2015) (ECF No. 319), at 9-10 (“quibbles” with yardstick
 13 analysis choices better explored at cross examination).⁵

14 Meta complains about the absence from the yardstick group of several firms “typically
 15 mentioned in the same breath as Meta.” Mot. at 5. As a threshold matter, this statement by Meta is
 16 patently wrong. [REDACTED]

17 [REDACTED]

18

19

20 ⁵ The cases Meta cites for its argument that issues with the selection criteria go to admissibility all
 21 dealt with experts who knew almost nothing about the firms they selected as comparators. *See, e.g.*,
 22 *In re Blood Reagents Antitrust Litig.*, No. 09-2081, 2015 WL 6123211, at *22 (E.D. Pa. Oct. 19,
 23 2015) (“A proposed yardstick must be rejected as inadmissible where the expert testimony is *so*
 24 *deficient that the ‘comparison is manifestly unreliable and cannot logically advance a material*
 25 *aspect of the proposing party’s case.’”); *Loeffel Steel Prods., Inc. v. Delta Brands, Inc.*, 387 F. Supp.*
 26 *2d 794, 814 (N.D. Ill. 2005), amended*, No. 01 C 9389, 2005 WL 8178971 (N.D. Ill. Sept. 8, 2005)
 27 (“[Expert] lacked the qualifications to conclude that merely because all nine companies could be
 28 classified as ‘service centers,’ they necessarily competed with Loeffel or that they were comparable.
 Spending a few minutes on the internet does not make one an expert on any ‘industry’ or on any
 topic.”); *Muffett v. City of Yakima*, No. CV-10-3092-RMP, 2012 WL 12827492, at *3 (E.D. Wash.
 July 20, 2012) (“[Expert] made clear that he did not consult the actual data of the businesses . . .
 Instead, [Expert] gauged the proposed numbers presented by Mr. Muffett against his memory . . .”);
CDW LLC v. NETech Corp., 906 F. Supp. 2d 815, 824 (S.D. Ind. 2012) (criticizing “average of
 unknowns” yardstick where expert “made no (and did not rely on any) economic analysis”).

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1 [REDACTED]⁶ [REDACTED]
2 [REDACTED]. Furthermore, “mentioned in the same breath” is not an
3 objective criterion that can be defined or applied. Whether a company is mentioned in the “same
4 breath” as another is entirely irrelevant to selecting yardstick firms.

5 Meta next invites the Court to consider each filter in turn, which is an invitation to adopt the
6 incorrect analytical frame. When identifying a set of yardstick firms, all selection criteria must be
7 considered jointly. The criteria employed by Dr. Williams reflect the filters that, in Dr. Williams’s
8 assessment, closely follow the relevant literature and were most likely to generate a comparison set
9 of “reasonably similar” firms to Meta’s advertising business.

10 Filter two: [REDACTED] Here, Meta complains [REDACTED]
11 [REDACTED]
12 [REDACTED]
13 [REDACTED] *Id.* at 6:18-7:8. [REDACTED]

14 [REDACTED]
15 [REDACTED] Meta is wrong. [REDACTED]
16 [REDACTED]
17 [REDACTED]
18 [REDACTED]
19 [REDACTED]
20 [REDACTED]

21 Filters three and four: [REDACTED]
22 [REDACTED]
23 [REDACTED]
24 [REDACTED]
25 [REDACTED]

26 ⁶ Meta also mentions LinkedIn, Reddit, and TikTok, [REDACTED]
27 [REDACTED] See Expert Class Certification Reply
28 Report of Michael A. Williams, Ph.D., dated July 8, 2024 (“Williams Class Cert. Reply”), Williams
Decl. Ex. 3, at ¶165.

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[REDACTED]

[REDACTED].

Filter five: [REDACTED]. [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

In sum, the filters selected by Dr. Williams are based upon his experience and expertise, the relevant literature, and the particular parameters of this case. Meta attempts to pick apart each filter individually without offering alternatives or suggesting that the filter eliminated any firms that should be used as yardsticks. Not only are its attacks baseless, but they are better left to cross-examination.

B. The Resulting Yardstick Firms Are Comparable and Appropriate

After applying these five filters, Dr. Williams identified 25 comparable firms ([REDACTED])

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

Though these 25 firms met the five criteria specified by Dr. Williams, Meta unsurprisingly finds fault with them for various insignificant reasons. [REDACTED]

[REDACTED]

[REDACTED]

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Moreover, each of Meta's criticisms of these four firms are weak.⁸

II. THE LINK FROM EPR TO PRICES IS DIRECT

Most of Meta's criticisms of the Williams Merits Report Far from "junk science," excess EPR over an extended period of time is accepted in the economics literature as a measure of antitrust damages using a yardstick model.

¶231. Dr. Williams cites

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⁸ Meta complains

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Therefore, courts have refused to exclude well-developed comparable-company yardstick analyses that convert economic profits to prices using the EPR methodology.¹⁶

Meta is wrong.

III. DR. WILLIAMS ANALYZED WHETHER THE DIFFERENCE BETWEEN (1) META'S EPR AND (2) THE YARDSTICK EPRS COULD BE DUE TO FACTORS OTHER THAN ANTICOMPETITIVE CONDUCT

Meta speculates that Dr. Williams does not control for "lawful" factors that . At the outset, speculation that an omitted variable might account for some or all of this difference is not sufficient for exclusion under Rule 702. Meta fails to supply "some indication that the excluded

¹⁶ See also *US Airways, Inc. v. Sabre Holdings Corp.*, No. 1:11-cv-02725, Order (S.D.N.Y. Aug. 3, 2016) (ECF No. 484) (defendant's argument that expert's EPR calculation is incorrect is a question best saved for consideration by jury); *US Airways, Inc. v. Sabre Holdings Corp.*, No. 1:11-cv-02725, Order (S.D.N.Y. Apr. 15, 2022) (ECF No. 1171) (defendant's argument, that plaintiff's expert only found a casual link between defendant's conduct and plaintiff's injury and damages methodology is impermissibly speculative, was unavailing). Additionally, Meta's reliance on *In re Google Play Store Antitrust Litig.*, No. 20-CV-05761-JD, 2023 WL 5532128 (N.D. Cal. Aug. 28, 2023) is misplaced. That opinion dealt with a regression analysis, not a yardstick, and the Court was evaluating the use of logit functions to determine market share, not EPRs. *Id.* at *9.

¹⁷ Mot. at 4.

¹⁸

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variables would have impacted the results” or attempted to quantify the effect of any such variables.
In re Live Concert Antitrust Litig., 863 F. Supp. 2d 966, 974 (C.D. Cal. 2012).

Meta correctly repeats [REDACTED]

[REDACTED]:

[REDACTED]

[REDACTED]

Meta also ignores Dr. Williams’s testimony to this effect, including, for example:

¹⁹ Williams Class Cert. Reply, ¶62.

²⁰ *Blue Cross & Blue Shield United of Wisconsin v. Marshfield Clinic*, 152 F.3d 588, 592-93 (7th Cir. 1998) (attempt “to prove damages by comparing the defendant’s prices at one period or in one area with its prices in another period or another area”); *Kentucky v. Marathon Petroleum Co. LP*, 464 F. Supp. 3d 880, 892 (W.D. Ky. 2020) (excluding yardstick analysis of “market prices”); *El Aguila Food Prods., Inc. v. Gruma Corp.*, 301 F. Supp. 2d 612, 625 (S.D. Tex. 2003), *aff’d*, 131 F. App’x 450 (5th Cir. 2005) (excluding a methodology that “simply measures declines in the plaintiffs’ sales and attributes them” to anticompetitive conduct); *Live Concert Antitrust*, 863 F. Supp. 2d at 974 (excluding yardstick composed of “average ticket prices”). Meta also points to the exclusion of Dr. Williams’s testimony in *Grasshopper House, LLC v. Clean & Sober Media LLC*, No. 2:18-CV-00923-SVW-RAO, 2019 WL 12074086, at *11 (C.D. Cal. July 1, 2019), an irrelevant Lanham Act case that involved an “autoregressive distributed lag regression model” on accounting profits, not a yardstick of EPRs.

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1 • [REDACTED]
2 [REDACTED]
3 [REDACTED]
4 • [REDACTED]
5 [REDACTED]
6 [REDACTED]
7 [REDACTED]

8 Notably, similar cases using the EPR damages methodology have applied to the same
9 comparison. In *US Airways v. Sabre*, Sabre (like Meta) introduced many technological innovations
10 and the EPR methodology did not “disentangle” Sabre’s profitability caused by innovations from
11 profitability caused by the alleged anticompetitive conduct in that case, and the court did not require
12 it. Similarly, in the *Google Play* case, Google introduced many technological innovations but the
13 EPR methodology applied in that case did not “disentangle” profitability caused by these or other
14 innovations from profitability caused by the alleged conduct.

15 **IV. DR. WILLIAMS’S DURING-AFTER ANALYSIS IS NOT JUNK SCIENCE**

16 [REDACTED]
17 [REDACTED]
18 [REDACTED]
19 [REDACTED] In conducting both, Dr. Williams employed two “generally
20 accepted methods for proving antitrust damages.” See *Conwood Co., L.P. v. U.S. Tobacco Co.*, 290
21 F.3d 768, 793 (6th Cir. 2002) (sustaining damages award in antitrust case because it was within the
22 range given by plaintiff’s expert after conducting a before-and-after analysis and yardstick analysis).

23 21 [REDACTED]
24 [REDACTED]

25 22 [REDACTED]
26 [REDACTED]
27 [REDACTED]
28 [REDACTED]

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1 Meta levels the same criticisms against this analysis as against Williams's EPR-based yardstick
2 analysis, which should be rejected for the reasons stated above.

3 Additionally, Meta suggests the During-After analysis must be rejected because the
4 anticompetitive effects of the alleged conduct would not have dissipated from the market by 2022-
5 2023, making that period inappropriate to use as a clean baseline. [REDACTED]

6 [REDACTED]
7 [REDACTED]
8 [REDACTED]
9 [REDACTED]
10 [REDACTED].²³ In sum, Dr.
11 Williams's During-After analysis is consistent with, and supports the conclusions reached in the rest
12 of the Williams Merits Report.

13 V. [REDACTED]
14 [REDACTED]
15 [REDACTED]
16 [REDACTED]
17 [REDACTED]
18 [REDACTED]

19 Meta's Motion goes off the rails at the start, [REDACTED]
20 [REDACTED]
21 [REDACTED]
22 [REDACTED]

23 _____
24 ²³ Meta's reference to the *Persian Gulf v. BP West Coast Prods. LLC*, 632 F. Supp. 3d 1108
25 (S.D. Cal. Sept. 30, 2022) case is inapt. Mot. at 11:1-16. That case, in which Dr. Williams used a
26 forecasting regression model to estimate but-for wholesale gasoline prices, rested on entirely different
27 facts and assumptions made by the Court, including that because the plaintiffs had alleged that some
evidence of conspiratorial conduct existed in a given period, that *necessarily* meant that prices in that
period were affected by the alleged conspiracy. Dr. Williams's analysis demonstrated, however, that
there actually were no price effects of the alleged conspiratorial conduct in the period.

28 ²⁴ Mot. at 11.

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Meta speculates that Amazon, Google, and Apple should be included in the U.S. market for social advertising,²⁷

Meta's speculation that Amazon and Apple should be included in the market for the damages period (December 1, 2016 through December 31, 2020) is even more farfetched. Neither of those companies operated a social network in that period. In any event, arguments about which companies should be included in an

²⁵

Meta claims that Dr. Williams's opinions regarding market definition should be excluded because he allegedly applies an "unreliable methodology" or even "no methodology at all." Mot. at 12-13. Meta is wrong—as discussed above, Dr. Williams defined the relevant antitrust market based on two well-accepted methodologies: the *Merger Guidelines* and *Brown Shoe*.

²⁷ Mot. at 12.

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1 antitrust market are separate from the analytical issue of defining a relevant antitrust market.

2 With respect to the *Merger Guidelines* market definition methodology, Meta claims Dr.
3 Williams’s SSNIP test is not actually such a test. But again, Meta is wrong. As a threshold matter,
4 Meta’s only comments regarding the *Merger Guidelines* market definition methodology concern the
5 “small but significant and non-transitory increase in price” (“SSNIP”) test.³⁰ Meta fails to address—
6 much less rebut—the fact that the *Merger Guidelines* also state:

7 [REDACTED]
8 [REDACTED]
9 [REDACTED]
10 [REDACTED]

11 As he discusses, Dr. Williams’s findings [REDACTED]
12 [REDACTED]
13 [REDACTED]

14 Furthermore, Meta’s entire discussion of the SSNIP test is based on its mischaracterization of
15 Dr. Williams’s SSNIP test as a “comparison of firms’ profits.”³³ [REDACTED]
16 [REDACTED]
17 [REDACTED]
18 [REDACTED]
19 [REDACTED]
20 [REDACTED]
21 [REDACTED]
22 [REDACTED]

23 Meta then incorrectly claims that Dr. Williams’s SSNIP test constitutes a “brand-new, made-
24

25 ³⁰ Mot. at 13-15.

26 ³¹ ¶148, n.219, quoting the *Merger Guidelines*, Section 4.3.

27 ³² ¶148, n.219.

28 ³³ Mot. at 14.

PUBLIC-REDACTED

1 for-litigation alternative[.]”³⁴ [REDACTED]

2 [REDACTED] If Meta
 3 can profitably impose a SSNIP as demonstrated by their overcharges above but-for prices, then a
 4 hypothetical monopolist would find it profitable to undertake a SSNIP as well. And this natural
 5 experiment approach has been widely applied and accepted in antitrust litigation. For example, in *In*
 6 *re: Turkey Antitrust Litigation*, the court found that Dr. Williams demonstrated a relevant product
 7 market based on evidence demonstrating that the alleged cartel could impose a SSNIP.³⁵ As in the
 8 present case, Dr. Williams’s SSNIP test was based on estimated overcharges as a result of Defendants’
 9 alleged anticompetitive conduct. Similarly, Dr. Williams applied the same natural experiment
 10 approach in his SSNIP test in *Behrend v. Comcast* and the court concluded that his market definition
 11 was susceptible to proof at trial.³⁶ Again, there, Dr. Williams opined that certain rate increases were
 12 more than a SSNIP and that a hypothetical monopolist would profitably impose a SSNIP. Thus, Dr.
 13 Williams’s SSNIP test follows the standard natural experiment approach in applying the SSNIP test.³⁷

14 CONCLUSION

15 For the foregoing reasons, the Court should deny Meta’s Motion.
 16 Dated: January 29, 2025.

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21 ³⁴ *Id.*

22 ³⁵ *In re: Turkey Antitrust Litigation*, No. 1:19-CV-08318, Order (N.D. Ill. Jan. 22, 2025) (ECF No. 1107), at 61 (Judge Sunil R. Harjani).

23 ³⁶ *Behrend v. Comcast*, No. 2:03-cv-06604, Order (E.D. Pa. Jan. 7, 2010) (ECF No. 430), at 15
 24 and 29-30. The court’s decision was upheld by the U.S. Court of Appeals for the Third Circuit, No. 10-2865 (Aug. 23, 2011).

25 ³⁷ Meta’s cites to *Sumotext* and *Kentucky Speedway* are inapt. Unlike *Sumotext*, Dr. Williams
 26 did not “‘compar[e], over time, prices of’ the defendant’s product to prices for three expert-selected
 27 comparator products.” He compared Meta’s actual and but-for prices based on the well-accepted
 28 yardstick model. Unlike *Kentucky Speedway*, Dr. Williams’s SSNIP test was not his “‘own version
 of the SSNIP test,’ which ‘was produced solely for th[e] litigation,’” but follows the standard natural
 experiment approach.

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FILER ATTESTATION

I am the ECF user who is filing this document. Pursuant to Civil L.R. 5-1(i)(3), I hereby attest that each of the other signatories have concurred in the filing of the document.

Dated: January 29, 2025

By: /s/Amanda F. Lawrence
Amanda F. Lawrence

CERTIFICATE OF SERVICE

I hereby certify that on January 29, 2025, I caused a true and correct copy of the foregoing document to be served by electronic mail on all counsel of record.

Dated: January 29, 2025

By: /s/Amanda F. Lawrence
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